

Title (en)

EXHAUST GAS TURBINE FOR AN EXHAUST GAS TURBOCHARGER

Title (de)

ABGASTURBINE FÜR EINEN ABGASTURBOLADER

Title (fr)

TURBINE A GAZ D'ECHAPPEMENT POUR TURBOCOMPRESSEUR A GAZ D'ECHAPPEMENT

Publication

EP 1631736 A1 20060308 (DE)

Application

EP 04729870 A 20040428

Priority

- EP 2004004452 W 20040428
- DE 10325649 A 20030606

Abstract (en)

[origin: WO2004109062A1] The invention relates to an exhaust gas turbine (10) for an exhaust gas turbocharger, comprising a spiral housing (11), which is made from sheet metal and which surrounds a distributor (13, 17), and comprising a tangentially in-flowing inlet funnel (41), whereby a sheet metal outer shell (21) surrounds the spiral housing (11) with an air gap (22). The invention provides that the spiral housing (11) and the outer shell (21) are provided in the shape of a pot, and the faces oriented toward the distributor (13, 17) are delimited by portions of the distributor (13, 17) to which the spiral housing (11) adjoins via at least one axially flexible element (32).

IPC 1-7

F01D 17/16; F01D 9/02; F01D 25/26; F01D 25/24

IPC 8 full level

F01D 9/02 (2006.01); **F01D 17/16** (2006.01); **F01D 25/24** (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)

F01D 9/026 (2013.01 - EP US); **F01D 17/165** (2013.01 - EP US); **F01D 25/24** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/642** (2013.01 - EP US)

Citation (search report)

See references of WO 2004109062A1

Cited by

US11732729B2; US10436069B2; US10472988B2; US10544703B2; US11035254B2; US10494955B2; US10690144B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2004109062 A1 20041216; DE 10325649 A1 20041223; DE 10325649 B4 20141023; EP 1631736 A1 20060308; EP 1631736 B1 20150729; JP 2006527322 A 20061130; JP 4269184 B2 20090527; US 2006133931 A1 20060622; US 7371047 B2 20080513

DOCDB simple family (application)

EP 2004004452 W 20040428; DE 10325649 A 20030606; EP 04729870 A 20040428; JP 2006508156 A 20040428; US 29513905 A 20051206